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AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

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LISTING OF CLAIMS:

- 1. (Currently amended) A catalytic material comprising a <u>metal</u> catalytic component and a catalyst carrier for supporting said <u>metal</u> catalytic component; wherein the catalyst carrier contains <u>carbon and contains</u> atoms that <u>have formed can be able to form</u> covalent bonds with said <u>metal</u> catalytic component.
 - 2. (Cancelled).
- 3. (Currently amended) A catalytic material comprising a <u>metal</u> catalytic component and a catalyst carrier which comprises carbon; wherein said catalyst carrier has a structure in which part of the carbon atoms is replaced with atoms that <u>have</u> formed can be able to form covalent bonds with said <u>metal</u> catalytic component.
- 4. (Currently amended) The catalytic material according to claim 1, wherein said metal catalytic component is platinum or a platinum compound.
- 5. (Currently amended) The catalytic material according to claim 1, wherein said metal catalytic component is at least one member selected from the group consisting of platinum, ruthenium and their compounds.

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- 6. (Currently amended) The catalytic material according to claim 1, wherein said <u>metal</u> catalytic component is at least one member selected from the group consisting of platinum, ruthenium, manganese, iron, cobalt, nickel, rhodium, palladium, rhenium, and iridium, and their compounds.
- 7. (Currently amended) A catalytic material comprising a <u>metal</u> catalytic component and a catalyst carrier for supporting said <u>metal</u> catalytic component; wherein said catalyst carrier <u>further</u> contains <u>carbon</u> a catalytic component and at least one member selected from the group consisting of nitrogen atoms, oxygen atoms, phosphorus atoms, and sulfur atoms.
 - 8-11. (Cancelled).
- 12. (New) The catalytic material according to claim 7, wherein said at least one member has formed covalent bonds with said metal catalytic component.
- 13. (New) The catalytic material according to claim 1, wherein said atoms that have formed covalent bonds with said metal catalytic component are chemically bonded to the carbon.
- 14. (New) The catalytic material according to claim 1, wherein said carbon is amorphous or crystalline.

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15. (New) The catalytic material according to claim 1, wherein said carbon is amorphous or crystalline.

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- 16. (New) The catalytic material according to claim 15, wherein said nitrogen atoms are located on the surface of the catalyst carrier.
- 17. (New) The catalytic material according to claim 16, wherein a density of nitrogen atoms on the surface of the catalyst carrier is 0.1 to 30 atomic percent.
- 18. (New) The catalytic material according to claim 1, wherein said atoms that have formed covalent bonds with said metal catalytic component are located on the surface of the catalyst carrier.
- 19. (New) The catalytic material according to claim 18, wherein a density of atoms forming covalent bonds with said metal catalytic component, on the surface of the catalyst carrier, ranges from about 0.1 to 30 atomic percent.
- 20. (New) The catalytic material according to claim 3, wherein said atoms that have formed covalent bonds with said metal catalytic component are chemically bonded to the carbon.
- 21. (New) The catalytic material according to claim 3, wherein said carbon is amorphous or crystalline.

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22. (New) The catalytic material according to claim 3, wherein said atoms that have formed covalent bonds with said metal catalytic component are located on the surface of the catalyst carrier.

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- 23. (New) The catalytic material according to claim 7, wherein said carbon is amorphous or crystalline.
- 24. (New) The catalytic material according to claim 7, wherein said at least one member is located on the surface of the catalyst carrier.
- 25. (New) The catalytic material according to claim 7, wherein said at least one member is chemically bonded to the carbon.
- 26. (New) The catalytic material according to claim 1, wherein the carbon is carbon material selected from the group consisting of carbon black, graphite, carbon nanofibers and carbon nanotubes.
- 27. (New) The catalytic material according to claim 3, wherein the carbon is carbon material selected from the group consisting of carbon black, graphite, carbon nanofibers and carbon nanotubes.

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28. (New) The catalytic material according to claim 7, wherein the carbon is carbon material selected from the group consisting of carbon black, graphite, carbon nanofibers and carbon nanotubes.